

Possible Causes

Sample Preparation

- **Butt Length**- *Controlled*.
 - Target = $f(\text{ProductID})$. *Controlled variation (templates)*.
Off target or out-of-control invalidates results.
- **Equilibration Time** - *Controlled*.
 - Target = 24hrs. Relationship to measurement as influence quantity unknown. Off target or out-of-control invalidates results.
- **Equilibration AirFlow** - *NOT Controlled. Not Monitored*.
 - No Target. Relationship to measurement as influence quantity hypothetical.
- **Equilibration Temperature** - *Controlled*.
 - Target = 75°F. Relationship to measurement as influence quantity unknown. Off target or out-of-control invalidates results.
- **Equilibration Humidity** - *Controlled*.
 - Target = 60%. Relationship to measurement as influence quantity unknown. Off target or out-of-control invalidates results.
- **Barometric Pressure** - *NOT Controlled. Monitored*.
 - No Target. Relationship to measurement as influence quantity hypothetical.

Possible Causes

Smoking

- **Cubicle Temperature** - *Controlled*.
 - Target Value = 75°F. Relationship to measurement as an influence quantity is unknown.
Off target or out-of-control invalidates results.
- **Cubicle Humidity** - *Controlled*.
 - Target Value = 60%. Relationship to measurement as an influence quantity is unknown.
Off target or out-of-control invalidates results.
- **Air Flow** - *Controlled*.
 - Target Value = 113. Relationship to measurement as an influence quantity is unknown.
Off target or out-of-control invalidates results.
- **Puff Volume** - *Controlled*.
 - Target Value = 35.0ml. Relationship to measurement as an influence quantity is unknown.
Off target or out-of-control invalidates results.
- **CO Calibration** - *Controlled. Not Monitored*.
 - Target Value depends on calibration gas.
Relationship to measurement as an influence quantity is unknown.
Off target or out-of-control invalidates results.